

Configuring Unsupported CTs

Custom CT size scale factor Calculation

Always use caution when choosing to use unsupported CTs with the eGauge meter. Supported sensors are always preferred and will yield the most accurate results.

eGauge Systems cannot guarantee accuracy or safety when using unsupported CTs. Do not connect current output CTs to the sensor ports.

Please refer to section B.6 of your owner's manual for details on choosing compatible CTs.

EG4xxx meters:

$-20669.22 / \text{CT_AMPS} = \text{SCALE_FACTOR}$

EG30xx and eGauge2 meters:

The general format for calculating a custom CT scale factor is:

$1227 / \text{CT_AMPS} = \text{SCALE_FACTOR}$

For example:

$1227 / 600 = 2.045$

This is not exact, as we test each CT specifically. Also, if the CT polarity is reversed on the custom CT, the scale factor will need to be negated.

Configure the CT as in the example below using your calculated scale factor:

Sensors:

CTid®

Use high-gain mode

S1	custom	scale: 2.045	S2	<input type="checkbox"/>
S4			S5	<input type="checkbox"/>

Please visit kb.egauge.net for the most up-to-date documentation.